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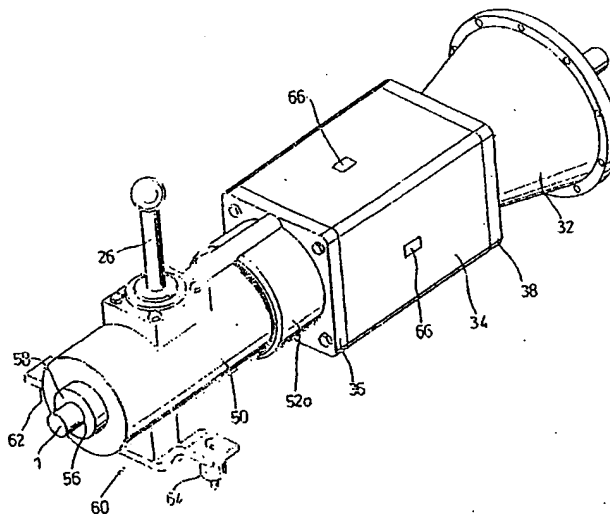
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(54) Title: TRANSMISSION SYSTEM AND METHOD FOR CONTROLLING TORQUE TRANSMISSIONS

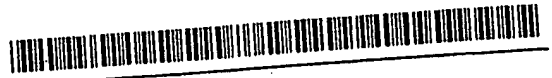


(57) Abstract: A transmission having a plurality of gear ratios (15, 17), selector means (13) for selectively engaging the gear ratios, and a control system including means for measuring deformation caused by torque in the transmission (63, 64) in at least one static component or assembly (50) that is deformed due to torque in the transmission, and means for controlling the torque in the transmission (2, 24), wherein the control system is arranged to measure deformation and to adjust the torque in the transmission according to the measured deformation and a known relationship between the gear ratios.

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WO 2005/005869 A1

WO 2005/005869 A1



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